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BENTON & SMITH NUT TREE NURSERY
DESCRIPTION AND PRICE LIST 1946-47. Wassalle, N.Y.

Our policy is to carry as standard varieties only those we have grown here and which have fruited, proving that they are adapted to this locality and latitude, or those varieties which have their origin in such locations as to make us very sure that they will mature their fruit here and that the trees will prove hardy here. We also honor the findings of the variety tests at Cornell University, as they are situated somewhat farther north than we are.

We also plan to keep abreast of the development of northern nut growing, from time to time adding to our list such of the very best varieties as prove adaptable to this latitude (41° 45' N. Lat.). We will occasionally have extra trees of varieties which we will advocate only for more southern locations, until they have proven themselves here, or for those who are collecting various varieties for testing.

We will fill orders in the order in which we receive them and as our stock of many varieties is very limited we advise ordering early and thus you may avoid disappointment. We will hold trees until such time as you desire delivery.

In case we do not have the size of tree you order, we will ship the next smaller size, but will charge you only for the size shipped or will refund the difference if tree is already paid for. If we do not have a smaller tree but do have a larger one, we will ship this, charging only for the size ordered.

We have some very good trees this season, but far less of them than we expected, due to an unfortunate circumstance. Last Spring we stored our grafting wood in a cooler over which we had no control, in April the manager of the cooler changed the setting of the temperature control so that the temperature ran above 50°F. We did not find this out until the buds had started considerably, especially some of the early budding varieties, such as the Littlepage. We used the wood with varying degrees of success, none were up to par and the variety we wanted above all others, the Littlepage, was the poorest of all. We must ask those who have Littlepage trees ordered to bear with us a little longer. We have arranged to have our own cooler from now on.

HEARTNUTS.

The heartnut, at least the varieties we have under test, have proven hardy here under the coldest weather conditions we have had -34°F. on Feb. 16th, 1943. No damage and the trees bore nuts the next Summer. Any of the walnut and hickory species will suffer from frost injury to the young foliage from late frosts in the Spring. The only guards against this are, avoiding frost pockets to set nut trees in, and to pick varieties that bud out late for locations where such late frosts are frequent.

FODERMAIER- The nut of this variety is of good size, cracks easily, the kernels coming out mostly in whole halves. In flavor it is one of the very best. Ripens here in late September.

The tree grows rapidly and bears annually. We have some very fine trees of this variety in one year old grafts only.

WRIGHT- We consider this variety equal in nut to the Fodermaier and to be somewhat hardier in tree, also a better producer. Rapid grower. As it ripens it's nuts early it should be adapted to the far north. Ripens in mid September here. We have a limited supply of trees of this variety, all one year old grafts. We can supply sample nut, see back page.

The Wright and Fodermaier blossoms at the right times to act as pollinizers for each other. Heartnuts will be pollinized by butternut if growing in the same locality.

GELLATLY- This variety originated in British Colombia and has proven itself to be hardy here, withstanding -34° F. without injury. The nut is large, being only slightly smaller than Fodermaier, about the same size as Wright but longer. It cracks perfectly and is of good quality. It ripens here in late September. We have good trees of this variety, both one and two year old grafts.

WALTER- We know less about this variety than the foregoing varieties. The tree is hardy here. We have very few trees of this variety, all one year old grafts.

The heartnut and the Persian (English) walnuts are subject to injury by the butternut curculio. If planted near wild butternut trees or woodland this damage is likely to be severe, if planted in the open some distance from such trees the danger is much less. There is need for some research as to better control methods of this insect, maybe we can get some of the entomologists interested in this matter. We hope that all sections of the country are not as badly infested with this insect as we are. It does not spread with the trees we ship.

Prices of all heartnut trees:

Over 5 feet.....	\$5.50
4 to 5 feet.....	5.00
3 to 4 feet.....	4.50
2 to 3 feet.....	4.00
Under 2 feet.....	3.50

PERSIAN (ENGLISH) WALNUTS.

BROADVIEW- This variety is said to be as good or better than the best of the California nuts. The tree will apparently stand about -25° F. without serious injury. We have not had any nuts of this variety as yet. We have a fair supply of very good trees of this variety all one year old grafts.

CARPATIAN D- This is one of the older of the Crath varieties. The nut is not large but is of good quality. The tree is not nearly as hardy as many of our seedling Crath varieties, being about as hardy as Broadview. We have some good trees, all one year old grafts.

We have about 50 different Crath seedling varieties which we are testing, these are now beginning to bear. We have nutsof six different varieties this Fall, these nuts look very good. We will test them later and will start propagating the ones that prove to be of good quality. The nuts of these Carpathian varieties ripen early and the trees show sufficient hardiness to be grown most any where in this country, if planted on hill sides out of frost pockets.

Prices of Broadview and Carpathian D trees are as follows:

Over 5 feet.....	\$5.50
4 to 5 feet.....	5.00
3 to 4 feet.....	4.50
2 to 3 feet.....	4.00
Under 2 feet.....	3.50

Any one interested in our Littlepage variety, should order now so as to get on our list in proper order so as not to have to wait too long. It will probably be years before we will be able to fill orders immediately with this variety as our supply of grafting wood is limited and the last two years we have had tough luck with it. We try to learn by our mistakes, so hope not to continue this luck forever. We may have some more varieties comparable to Littlepage, this would help the situation some. For prices see booklet. Do not send money with orders for these trees.

BLACK WALNUTS.

ALLEN- The original tree of this variety grows near Middleville, Mich. 42°45' N. Lat. First prize winner in 1932-33 Michigan nut contest. Size 34 per pound. Looks like a good one for northern planting, has not fruited here as yet. Recommended by Dr. MacDaniels in "Arnoldia". We have only two year old grafts of this variety.

BENTON- The original tree grows here on Mr. Benton's farm, 41°45' N. Lat. Won second prize in New York & New England contest of 1934. Size 34 per pound, with more than 29% kernel of very good quality. If Benton was a little larger it would take second place to none. Ripens here in early October, about a week later than Snyder and Sparrow. We will have sample nuts of this variety, see back page. We can supply both one and two year old grafts of this variety at same prices.

CLARK- The original tree grows near Lamoille, Minn. 44° N. Lat. Won fourth prize in Northern Nut Growers Assn. contest. Size 28 per pound. Looks like another good one for the far North. It has not fruited here yet. Recommended by Dr. MacDaniels in "Arnoldia". We have only two year old grafts of this variety.

CRESCO- This variety originated at Cresco, Iowa 43°20' N. Lat. It is described as being a very good nut and should do well in the far North. It has not fruited here yet. Recommended by Dr. MacDaniels in "Arnoldia". Size 34 per pound. We have only two year old grafts.

ELMER MYERS- This variety originated at Bellefontaine, Ohio 40° 20' N. Lat. It is said to have the thinnest shell of any of the named black walnut varieties, we do not know just how valuable this characteristic is. We have had a good many inquiries for this variety, so have started to list it. Size 42 per pound. We have only one year old grafts.

MINTLE- This variety originated near Glenwood, Iowa. 41° N. Lat. Size 33 per pound. Considered to be a very good nut, has not fruited here yet. We have only two year old grafts of this variety.

ROHWER- This variety originated near Grundy Center, Iowa. 42°20' N. Lat. Awarded second prize in the 1926 Northern Nut Growers Assn. contest. Size 28 per pound. Has not fruited here yet. Only one year grafts.

SNYDER- The original tree grows near Newfield, N. Y. 42° 20' N. Lat. It was awarded first prize in the New York & New England contest of 1934. The nut is large, 21 per pound, with about 26 percent kernel of good quality. Our graft of Snyder has so far been the heaviest bearer of any of our black walnuts. Snyder and Sparrow ripen their nuts the earliest of any of the black walnuts we have tested so far, ripens in normal years, the last of September here. Recommended by Dr. MacDaniels in "Arnoldia". It is one of our four best varieties. We can supply sample nut, see back page. We have very good trees both one and two year old grafts, at same prices.

While Snyder and Sparrow are both early varieties as to ripening of the nuts, they retain their leaves until they are cut by frost. This adds considerably to their ornamental value in the Fall. Many of our later varieties will be nearly bare of leaves while these two early varieties appear to still be in full leaf.

SPARROW- This is our pet variety of black walnut, we consider it better than Thomas for this far north, and as good when grown farther south. The nut is not quite as large as Thomas but yields as much or more kernel per pound of nuts. In all cases in which we have had the flavor of kernel tested, Sparrow has been picked as better than Thomas.

This variety originated near Lomax, ILL. 40° 35' N. Lat., while this is a rather southern origin, Sparrow is one of our earliest varieties, ripening at the same time as Snyder and two weeks earlier than Thomas. The tree is perfectly hardy here. The nuts appear to be quite small while on the tree as they have a thin husk, this tends to discourage the husk maggot. The husk comes off readily and the nuts husk out cleaner than any other variety we have husked so far. Size of nut is 27 per pound with about 30% kernel, cracking almost perfectly. We can supply a sample nut, see back page. We have both one and two year old grafts of this variety, at the same prices.

STAMBOUGH- This variety originates near Galesburg, Ill. 40° 8' N. Lat. It was awarded first prize in the Northern Nut Growers Assn. contest of 1926. Size of nut 25 per pound. It is in every way a very fine nut, one of the very best where it can be grown successfully, it is too late for this far north, it has ripened properly here in only one season (1944). Therefore we do not advise planting it north of 41° N. Lat. or in other words, about a 180 day growing season. We can supply both one and two year old grafts at the same prices.

TASTERITE- The original tree grows near Ithaca, N. Y. 42° 25' N. Lat. Nut rather small, 31 per pound, but said to be of excellent quality. It has not fruited here as yet. Recommended by Dr. MacDaniels in "Arnoldia". We have only two year old grafts of this variety.

THOMAS- This is the oldest and most nearly standard of any of the black walnut varieties. It is the best standard by which to measure the other varieties. We have only one variety which we consider to be better (Sparrow), others may not agree with us in this.

Original tree grows near King of Prussia, Pa. 40° 5' N. Lat. Nut is large, about 19 per pound. This is about as late a variety as we advise planting this far north. We can supply sample nut. We have one and two year old grafts of this variety.

TODD- This variety was discovered in Ohio. It is said to be the largest of the recommended varieties. It is said to be a very good nut, but we have not had enough nuts to form an opinion of it yet. We have only two year old grafts of this variety.

Prices of all black walnut trees, including two year old grafts:

Over 5 feet.....	\$3.50
4 to 5 feet.....	3.00
3 to 4 feet.....	2.75
2 to 3 feet.....	2.50
Under 2 feet.....	2.00

HICKORIES

Hickories are the headache of the nut tree nurseryman. It takes years to grow stocks large enough to graft, then the trees are hard to transplant so that replacements are frequent.

There are so many named varieties that we can only carry a very small percentage of them. As our testing of hickory varieties progresses in the years to come, we hope to be able to concentrate on a dozen or so of the very best varieties.

Two of the best authorities we have at present, on nut tree varieties, are Dr. MacDaniels of Cornell University and Mr. C.A. Reed of the U. S. Dept. of Agriculture. Mr. Reed has made up two lists of hickory trees, those he considers best, he has rated A and those he considers second best he rates B. However he states that time may prove that some in the B list are better than some in the A list and that some not listed at all may prove better than either, especially as new varieties come to light.

ANTHONY- Shagbark. This variety originated near Sterling, Ill. It has not fruited here yet. Rated B by Mr. Reed. We have two and five year old grafts of this variety at regular prices.

BEECHAN- Shagbark. This variety originated near New Preston, Conn. Same latitude as we are. Said to be an annual bearer. Has not fruited here yet. Recommended by Dr. MacDaniels in "Arnoldia". We have one and four year old grafts of this variety.

BERGER- Shellbark, Awarded first prize in the miscellaneous hickory class of the 1934 Northern Nut Growers Assn. contest. This variety originated near Cove Gap, Pa. Rated A by Mr. Reed. We have one and five year old grafts at regular prices.

CLARK- Shagbark. We know very little about this variety, but the few nuts that have been on our graft so far, have appeared to be so good that we have grafted a few. It is good size and cracks very well and is of good quality. We have only two year old grafts of it.

DAVIS- Shagbark. This variety originated within five miles of our nursery, in fact we discovered it. First prize winner in the New York & New England contest of 1934. Nut of medium size, good cracking quality, flavor sweet and rich. Rated A by Mr. Reed. Recommended by Dr. MacDaniels in "Arnoldia". We have a few two year old nuts for sample. We have one and three year old grafts at regular prices.

FOX- Shagbark. Original tree grows near Fonda, N. Y. First prize winner in the 1934 contest of the Northern Nut Growers Assn. Ripens here in mid September. This nut has not turned out to be as good as was expected of it, as explained in our previous lists. However it is a very good nut for the far North as it is one of our earliest varieties. We have one and three year old grafts at regular prices.

GLOVER- Shagbark. An old variety which has stood the test of time. Original tree grows near Shelton, Conn. It well deserves its place among the best of the hickory varieties. Rated A by Mr. Reed. Recommended by Dr. MacDaniels in "Arnoldia". We have only one year old grafts of this variety.

GOHEFF- Shagbark. Original tree grows near Pennsylvania Furnace, Pa. Won second prize in the 1934 contest of the Northern Nut Growers Assn. Recommended by Dr. MacDaniels in "Arnoldia". We have only five year old grafts at regular prices.

HAGEN- Shagbark. This is probably an Iowa nut. Rated A by Mr. Reed. We have only two year old grafts at regular prices.

HAND- Shagbark. This is probably an Iowa nut. Rated A by Mr. Reed. We have only three and five year old grafts at regular prices.

HEIBNER- Shagbark. This variety originates near Danville, Iowa. We have secured seven nuts of this variety from our five year old grafts which are growing in our nursery row, the ones we offer for sale here, these are the first hickory nuts that have been borne in the nursery row here. They are too green to be tested but are of good size. Rated B by Mr. Reed. We have only five year old grafts at regular prices.

JOLLIFFE- Shagbark. This variety originates near Uffington, W. Va. While this nut has a very good reputation, we do not recommend it for planting north of Lat. 40, until it has borne here. Rated A by Mr. Reed. We have only five year old grafts at regular prices.

KENTUCKY- Shagbark. This variety originates near East View, Ky. We have seen nuts of it grown at Ithaca, N. Y., they were well matured and were rated high by Dr. MacDaniels. We now recommend this variety for northern planting. We have only five year old grafts.

KIRTLAND- Shagbark. Originates near Yalesville, Conn. This is one of the older varieties, thus has stood the test of time. Ripens here in late September. Rated A by Mr. Reed. Recommended by Dr. MacDaniels in "Arnoldia". We have only five year old grafts.

MILLER- Shagbark. Originates near North Branch, Mich. Rated B by Mr. Reed. Recommended by Dr. MacDaniels in "Arnoldia". We have only five year old grafts.

MINNEL- Shagbark. Our graft of this variety has borne nuts which have rated very well when tested by Mr. Reed. It ripens here just after mid September. It is of good size, cracks very well and is of good quality. We recommend it highly for Northern planting. We have only three year old grafts at regular prices.

NEILSON- Shagbark. This variety originated in Ontario, Canada. It is rated as one of the very best, but has not fruited here as yet. Rated A by Mr. Reed. Recommended by Dr. MacDaniels in "Arnoldia". We have only three year old grafts of this variety at regular prices.

STRATFORD- Shagbark. We are not sure where this variety originates. It ripens here in late September. Rated B by Mr. Reed. We have two and five year old grafts at regular prices.

SWAIM- Shagbark. Originates near South Bend, Indiana. Rated B by Mr. Reed. We have only five year old grafts.

TAYLOR- Shagbark. Originates near Stamford, Conn. This is one of the older varieties and thus has stood the test of time. Rated A by Mr. Reed. We have only two year old grafts.

WATSON- Shagabrk. Originates near Portsmouth, N. H. Awarded seventh prize in the New York & New England contest of 1934. Should be good for the far North. We have only four year old grafts.

WESCHCKE- Shagbark. This variety originated in Iowa and is very highly recommended by Mr. Carl Weschcke, President of the Northern Nut growers Assn. As Mr. Weschcke has grown it in Minnesota, it must be well suited for the far North. We have only one and five year old grafts at regular prices.

WHITNEY- Shagbark. Originates near Bersa, Ohio. First prize winner in the 1934 Ohio contest. It has not fruited here as yet, but Wilcox the second prize winner in the same contest, has, if Whitney is a better nut than Wilcox, it is "some nut". Rated A by Mr. Reed. Recommended by Dr. MacDaniels in "Arnoldia". We have only two year old grafts.

WILCOX- Shagbark. This is our pet hickory up to this time. It is of fair size, cracks almost perfectly, is of good quality and the tree grows well and bears well. Originates near Geneva, Ohio. Won second prize in the 1934 Ohio contest. Sample nuts from our graft have rated higher than any other variety we have had tested by Mr. Reed, also rated high by Dr. MacDaniels. Ripens here at the same time as Fox, the middle of September here. We have only one and two year old grafts.

HICANS.

Hicans are hybrids, the results of crosses of other species of hickory with the pecan. They make pretty trees and thus have considerable ornamental value. But while the nuts are of delicious flavor, they are not as a class, very good bearers and most varieties do not fill very well. Also the varieties now being grown are probably too late for far northern planting. We have several varieties but they have not fruited yet so we cannot judge how they will be here. But we have had several requests for hican trees, so last year we grafted some of them. We now have only some two year old grafts of Burlington left. These are priced the same as the other hickories.

PRICES OF HICKORY TREES. We cannot set any hard and fast rules for charging for the different sizes of hickory trees as we do with the walnuts. This is because the hickories are very slow growing the first year or two after grafting, they grow much faster after the second year. Also we do not charge any more for the older grafts than we do for the one year old grafts, they are a little harder to dig and take a little more wrapping that is all. Because of the difficulty of setting any growth standard in inches or feet, for the hickories we class them as No. 1 and No. 2, the best trees being No. 1. You will just have to take our judgement as to whether a tree is a No. 1 or a No. 2. A No. 1 one year old graft may be only a few inches long while a No. 2 four or five year old graft may be quite a large tree. We have No. 1 and No. 2 trees of practically all the varieties listed.

No. 1 trees, all varieties..... \$4.00
No. 2 trees, all varieties..... 3.00

SAMPLE NUTS.

Two years ago we started the service of mailing nut samples to those who requested them, but to insure that the samples we send out went only to those who were really interested, we charged for them at the rate of 10¢ per sample of usually one nut as our supply has been limited. With each batch of samples mailed we enclose a credit coupon for the amount paid for the samples, these credit coupons to be applied on any future order for nut trees, at face value. Thus to those who later bought trees the samples cost nothing.

We are continuing this service as we have had a very encouraging response to and comment on the samples. This is the only way we know of by which the buyer can judge between the different varieties, to suit his own individual taste. Also they give buyers an idea what to expect when the trees he has bought begin to bear.

This year we can supply nuts of the Wright heartnut, this is the only variety of heartnut of which we can supply sample nuts.

Of the black walnuts we can supply sample nuts of the following varieties; Benton, Snyder, Sparrow, Thomas.

For some reason the hickory trees around here did not bear this year, so we can supply only two year old nuts of the following varieties; Anthony, Boeman, Davis, Glover.

Prices of all samples listed above; 10¢ postpaid, for each variety requested.

OUR TERMS. are cash with order unless we know you. All prices of trees are F. O. B. Wassaic, N. Y.

Trees cannot be sent parcels post except the under two feet size. All other sizes sent by express collect, unless buyer can call here for his trees.

YOU CANNOT HAVE YOUR CAKE AND EAT IT TOO. BUT BY BUYING NUT TREES YOU CAN HAVE YOUR SHADE AND EAT IT TOO.